

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089620 A1

(51) International Patent Classification⁷: **A47L 15/00**

(21) International Application Number:
PCT/KR2005/000657

(22) International Filing Date: 9 March 2005 (09.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2004-0018846 19 March 2004 (19.03.2004) KR

(71) Applicant (for all designated States except US): **GUE-SANG TECHNOLOGY CO., LTD.** [KR/KR]; BI Center Jinju National University, 150, Chilam-dong, Jinju-si, Kyungnam 660-280 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **KIM, Byoung Woo** [KR/KR]; Jukong@ 406-1004, Haan-2dong, Kwangmyung-si, Kyunggi-do 423-062 (KR).

(74) Agent: **LEE, Dae Sun**; Chongkundang Bldg. 5F, 441, Shipjeong-2dong, Bupyeong-gu, Incheon 403-132 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

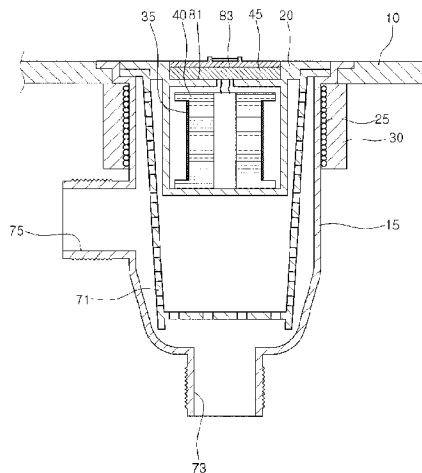
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: SINK MOUNTING TYPE DISH WASHER



(57) **Abstract:** The invention relates to a sink mounting type dish washer, and more particularly, relates to a sink mounting type dish washer which may be conveniently attachable to a conventional sink. According to an aspect of the invention, there is provided a sink mounting type dish washer comprising a drain body 15 mounted at the bottom of a water container 10, a cap 20 which is provided at the upper portion of the drain body 12 and opens and closes the drain body 12, an outer body 30 which is detachably combined at the periphery of the drain body 12 and in which a first coil 25 is embedded, a core 40 which is sealingly embedded in the cap 20 and to the periphery of which a second coil 35 is wound, an ultrasonic vibrator 45 which is provided at the upper portion of the cap 20 and is connected to the second coil 35 in the cap 20 and is operated by the induction current generated at the second coil 35, and a controller 60 which is connected to the first coil 25 and supplies electric power to the first coil 25 by the signal inputted from a separate control panel 50.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.